

BIOLOGICAL EVALUATION

2013 Kudzu Management Project for Indiana

The Indiana DNR, Division of Entomology and Plant Pathology documented 147 kudzu sites in 38 counties covering approximately 137.54 acres. Approximately 68.7% of the sites are less than one acre; however there are sites as large as nearly eight acres. Sites proposed for treatment in 2013 include eradicable sites, and sites which have increased in size and need to be managed in order to prevent those sites from spreading to adjacent lands.

Evaluation of three sites without treatment over an approximate five year period (2006 to 2011) demonstrates that the kudzu populations may increase from 170% to as much as 290% of their original size.

From 2006 to 2011:

Gibson 1 Site – increased from 0.97 acres to 1.66 acres (170% increase)

Gibson 3 Site – increased from 0.17 acres to 0.44 acres (258% increase)

Harrison 6 Site – increased from 0.91 acres to 2.69 acres (290% increase)

Evaluation of one site (Clay-2 Site) with treatment over an approximate six year period has demonstrated that native vegetation returns after kudzu is removed.